

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits  | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|--|------------------|---------|------------------|
| L1    | 35    | ((RAM ROM memory NEAR2 (controller (control \$4 NEAR2 circuit))) NEAR4 (decod\$4) NEAR4 ((command access instruction) NEAR2 (information type))                | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR               | ON      | 2010/01/21 10:42 |
| L2    | 140   | ((RAM ROM memory access) NEAR2 (controller (control\$4 NEAR2 circuit))) WITH (decod\$4) WITH ((command access instruction) NEAR2 (information type))           | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR               | ON      | 2010/01/21 10:48 |
| L3    | 21043 | ((717/168,171-173) or (710/1,15) or (345/204-215,501,519-520,690-699)). CCLS.  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2010/01/21 10:52 |
| L4    | 2     | 2 AND L3   | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR               | ON      | 2010/01/21 10:52 |
| L5    | 51    | ((RAM ROM memory access) NEAR2 (controller (control\$4 NEAR2 circuit))) NEAR5 (decod\$4) NEAR5 ((command access instruction) NEAR2 (information type))         | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR               | ON      | 2010/01/21 10:53 |
| L6    | 16    | 5 NOT 1  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR               | ON      | 2010/01/21 10:53 |
| L34   | 5     | ((RAM ROM memory access) NEAR2 (controller (control\$4 NEAR2 circuit))) WITH (decod\$4) WITH ((command access instruction) NEAR2 (information type)) WITH only | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | OR               | ON      | 2010/01/21 11:00 |

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|-----|---------|---|---|----|----|---------------------|
| L35 | 64      | ((RAM ROM memory) NEAR2 (controller (control \$4 NEAR2 circuit))) NEAR8 (decod\$4 separat\$5) NEAR8 ((command access instruction) NEAR2 (information type))               | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/21<br>11:09 |
| L36 | 29      | 35 NOT 1  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/21<br>11:10 |
| L37 | 285     | ((RAM ROM memory access) NEAR2 (controller (control\$4 NEAR2 circuit))) NEAR5 (receiv\$4) NEAR5 ((command access instruction) NEAR2 (information type))                   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/21<br>11:52 |
| L38 | 0       | ((RAM ROM memory access) NEAR2 (controller (control\$4 NEAR2 circuit))) NEAR5 (receiv\$4) NEAR5 ((command access instruction) NEAR2 (information type)) NEAR5 (just only) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/21<br>11:53 |
| L39 | 2       | 37 WITH (just only)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/01/21<br>11:54 |
| L40 | 92      | ((MIN-SU) near2 (KIM)). INV.  | US-PGPUB;<br>USPAT  | OR | ON | 2010/01/21<br>12:14 |
| L41 | 2       | ((SANG-HA) near2 (HWANG)).INV.  | US-PGPUB;<br>USPAT  | OR | ON | 2010/01/21<br>12:14 |
| S1  | 2       | "730960".ap.  | US-PGPUB  | OR | ON | 2006/12/12<br>09:20 |
| S2  | 3       | ("5261055"   "6035346"   "6295053").PN.   | USPAT   | OR | ON | 2006/12/12<br>09:23 |
| S3  | 13      | ("4660170"   "5379049"   "5602567"   "5691741"   "6020904"   "6100906"   "6104360").PN. OR ("6295053").URPN.  | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON | 2006/12/12<br>09:25 |
| S4  | 3841857 | memory storage RAM ROM  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>10:25 |
| S5  | 622565  | \$4programm\$3  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>10:25 |

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|-----|---------|--|---|----|----|---------------------|
| S6  | 1067845 | processor  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>10:25 |
| S7  | 2777550 | monitor display  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>10:26 |
| S8  | 10380   | S4 SAME S5 SAME S6<br>SAME S7  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>10:26 |
| S9  | 1505    | S4 WITH S5 WITH S6<br>WITH S7  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>10:30 |
| S10 | 45      | ((MIN-SU) near2 (KIM)).<br>INV.  | US-PGPUB;<br>USPAT  | OR | ON | 2006/12/12<br>10:27 |
| S11 | 2       | ((SANG-HA) near2<br>(HWANG)).INV.  | US-PGPUB;<br>USPAT  | OR | ON | 2006/12/12<br>10:27 |
| S12 | 0       | S4 WITH S5 WITH S6<br>WITH serial  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>10:30 |
| S13 | 164     | S4 WITH S5 WITH S6<br>WITH serial  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>10:32 |
| S14 | 12      | S4 WITH S5 WITH S6<br>WITH serial with general   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>10:32 |
| S15 | 11      | ("5784649"   "5822553"  <br>"5835761"   "6137243"  <br>"6138240"   "6141489"  <br>"6268845"   "6289466"  <br>"6295053"   "6339819").<br>PN. OR ("6661411").URPN. | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON | 2006/12/12<br>10:41 |
| S16 | 6       | ("6011546"   "6268845"  <br>"6295053"   "6302795"  <br>"6525667"   "6567845").<br>PN. OR ("6697058").URPN.   | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON | 2006/12/12<br>10:44 |
| S17 | 133539  | (monitor display) near2<br>(controller processor)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>11:24 |

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|-----|-------|--|--|----|-----|---------------------|
| S18 | 6394  | S17 SAME S5  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/12<br>11:25 |
| S19 | 2287  | S18 SAME S4  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/12<br>11:25 |
| S20 | 13639 | ((717/168,171-173) or<br>(710/1,15) or (345/204-<br>215,501,519-520,690-699)).<br>CCL.S.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/12<br>11:26 |
| S21 | 57    | S19 AND S20  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/12<br>11:26 |
| S22 | 0     | ("2004/0181789").URPN.   | USPAT  | OR | ON  | 2006/12/12<br>11:54 |
| S23 | 50    | {"4267569" "4314354"<br>"4600988" "5297247"<br>"5479055" "4395764"<br>"4402064" "4460974"<br>"4506346" "4588880"<br>"4873980" "4875230"<br>"5283759" "5298724"<br>"5299152" "5321845"<br>"5428808" "5452229"<br>"5453736" "5468680"<br>"5525898" "5594698"<br>"5603084" "5687081"<br>"5784637" "5786991"<br>"5890086" "5986467"<br>"6028445" "6049222"<br>"6055184" "6242944"<br>"6438462" "3812470"<br>"4249211" "4250386"<br>"4250558" "4271432"<br>"4270532" "4275441"<br>"4279421" "4282446"<br>"4282872" "4291385"<br>"4291326" "4295027"<br>"4298934" "4300108"<br>"4301511" "4303179" },pn. | USPAT  | OR | ON  | 2006/12/12<br>12:00 |
| S24 | 34    | reprogram\$4 near3 monitor<br>near3 function   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/12<br>12:09 |
| S25 | 621   | program\$4 near3 monitor<br>near3 function   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/12<br>12:10 |

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|-----|-------|--|---|----|----|---------------------|
| S26 | 30    | S25 SAME (ROM RAM)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>12:10 |
| S27 | 0     | (separate near2<br>programming near2 circuit)<br>SAME (ROM RAM) SAME<br>(monitor display)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>12:25 |
| S28 | 0     | (separate near2<br>programming near2 circuit)<br>SAME (monitor display)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>12:25 |
| S29 | 27    | (separate near2<br>programming near2 circuit)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>12:26 |
| S30 | 2     | (separate near2 firmware<br>near2 circuit)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>12:26 |
| S31 | 127   | external near2<br>programming near2 circuit  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>12:29 |
| S32 | 3     | S31 SAME (ROM RAM)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>12:31 |
| S33 | 15    | ("20030009651"  <br>"20030061409"  <br>"20030177223"  <br>"20040061147"  <br>"4956771"   "5583964"  <br>"5640107"   "5784636"  <br>"5892962"   "6049222"  <br>"6096091"   "6308311"  <br>"6326806"   "6704816"  <br>"6839873").PNL | US-PGPUB;<br>USPAT  | OR | ON | 2006/12/12<br>12:32 |
| S34 | 56990 | (upgrad\$3 updat\$3<br>reprogram\$4) near4<br>(firmware software<br>program)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>15:38 |
| S35 | 4032  | S34 with (monitor display<br>screen)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>15:21 |

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|-----|-------|--|--|----|-----|---------------------|
| S36 | 178   | S34 with (monitor display screen crt lcd ) adj device                            | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/12<br>15:21 |
| S37 | 13639 | ((717/168,171-173) or (710/1,15) or (345/204-215,501,519-520,690-699)).<br>OCLS. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/12<br>15:22 |
| S38 | 11    | S36 and S37  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/12<br>15:22 |
| S39 | 21    | S36 SAME processor   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/12<br>15:30 |
| S40 | 42591 | (upgrad\$3 updat\$3 reprogram\$4) near2 (firmware software program)              | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/12<br>15:38 |
| S41 | 19    | S40 SAME (separate NEAR2 (processor CPU))  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/12<br>15:39 |
| S42 | 601   | (monitor near2 (firmware program)) SAME (ROM)                                    | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/12<br>15:45 |
| S43 | 1273  | ((monitor display) near2 (firmware program)) SAME (ROM) SAME (processor CPU)     | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/12<br>15:48 |
| S44 | 8     | S43 SAME separate  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/12<br>15:48 |
| S45 | 31    | S43 AND S37  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/12<br>15:48 |
| S46 | 2     | ("6295053").PN. OR ("6577301").URPN.   | US-PGPUB;<br>USPAT; USOCR  | OR | ON  | 2006/12/12<br>15:59 |

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|-----|-----|--|---|----|----|---------------------|
| S47 | 54  | ("4116518"   "4116519"  <br>"4648076"   "4698750"  <br>"4720812"   "4855954"  <br>"4879688"   "4896296"  <br>"4970692"   "5003510"  <br>"5155833").PN. OR<br>("5261055").URPN.                           | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON | 2006/12/12<br>16:02 |
| S48 | 26  | ((first NEAR4 (link port))<br>WITH (first NEAR4<br>protocol)) SAME ((second<br>NEAR4 (link port)) WITH<br>(second NEAR4 protocol))<br>SAME ((third NEAR4 (link<br>port)) WITH (third NEAR4<br>protocol)) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/12<br>16:29 |
| S49 | 742 | transfer\$3 WITH (program<br>firmware) WITH processor<br>WITH interface  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>09:41 |
| S50 | 9   | S49 WITH outside   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>09:41 |
| S51 | 6   | S49 WITH separate  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>10:56 |
| S52 | 361 | S49 WITH memory  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>10:35 |
| S53 | 3   | S52 SAME VGA   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>09:42 |
| S54 | 72  | S52 with circuit   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>09:45 |
| S55 | 76  | (programmable NEAR2<br>memory) WITH separate<br>WITH (processor CPU)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>10:55 |
| S56 | 3   | (programmable NEAR2<br>memory) NEAR3 separate<br>NEAR3 (processor CPU)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>09:47 |

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|-----|-------|---|--|----|-----|---------------------|
| S57 | 10    | (programmable NEAR2 memory) NEAR4 separate NEAR4 (processor CPU)              | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/28<br>09:47 |
| S58 | 7     | S57 NOT S56   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/28<br>09:47 |
| S59 | 53269 | program near memory   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/28<br>09:53 |
| S60 | 11    | S59 WITH (processor CPU) WITH interface WITH separate                         | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/28<br>10:36 |
| S61 | 29    | S62 SAME monitor  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/28<br>10:21 |
| S62 | 17    | S49 WITH (without)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/28<br>10:22 |
| S63 | 5     | update with firmware with (without separate) with processor with memory       | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/28<br>10:31 |
| S64 | 13733 | ((717/168,171-173) or (710/1,15) or (345/204-215,501,519-520,690-699)). OCLS. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2006/12/28<br>10:34 |
| S65 | 17    | S49 AND S64   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/28<br>10:34 |
| S66 | 10    | S62 AND S64   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/28<br>10:36 |
| S67 | 1     | S65 AND S64   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2006/12/28<br>10:36 |



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|-----|---------|--|---|----|----|---------------------|
| S68 | 28      | (program\$5 NEAR2 memory) WITH (processor CPU) WITH interface WITH separate  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>10:36 |
| S69 | 0       | (programmable NEAR2 memory) WITH by\$1pass WITH (processor CPU)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>10:55 |
| S70 | 1       | (programmable NEAR2 memory) WITH bypass WITH (processor CPU)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>10:55 |
| S71 | 2752328 | S49 bypass\$3 separate   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>10:56 |
| S72 | 1       | S49 WITH bypass\$3   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>10:57 |
| S73 | 355     | (upgrad\$3 updat\$3) WITH (firmware program) WITH (through via) WITH (controller)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>10:58 |
| S74 | 19      | S73 AND S64  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/28<br>11:01 |
| S75 | 1       | "5968141".pn.  | USPAT   | OR | ON | 2006/12/28<br>11:02 |
| S76 | 13      | ("5581716"   "5592640"   "5687346"   "5809224"   "5812857").PNL OR ("5968141").URPN.   | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON | 2006/12/28<br>11:03 |
| S77 | 27      | ("5408624"   "5457651"   "5459850"   "5603056"   "5661848"   "5664156"   "5675761"   "5696931"   "5701450"   "5729683"   "5761460"   "5784390"   "5805882"   "5920884"   "5968141"   "6170043"   "6289397"   "6304925"   "6418501"   "6434034").PNL OR ("6507881").URPN. | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON | 2006/12/29<br>10:02 |
| S78 | 47      | ((MI-N-SU) near2 (KIM)).INV.   | US-PGPUB;<br>USPAT  | OR | ON | 2006/12/29<br>12:13 |
| S79 | 2       | ((SANG-HA) near2 (HWANG)).INV.   | US-PGPUB;<br>USPAT  | OR | ON | 2006/12/29<br>12:14 |

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|-----|----|--|---|----|----|---------------------|
| S80 | 69 | write NEAR3 complete<br>NEAR3 indication   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>12:02 |
| S81 | 50 | ("3898373" "3568160"<br>"3573743" "3576541"<br>"3579192" "3609700"<br>"3610896" "3611312"<br>"3614766" "3639690"<br>"3641516" "3665404"<br>"3735105" "3737868"<br>"3746845" "3761902"<br>"3771134" "3774167"<br>"3778775" "3781825"<br>"3803557" "3812470"<br>"3813649" "3818453"<br>"3827030" "3828324"<br>"3839705" "3847284"<br>"3858085" "3858217"<br>"3889054" "3892957"<br>"3900834" "3930233"<br>"3938104" "3942157"<br>"3942158" "3946216"<br>"3959600" "3959776"<br>"3967097" "3971925"<br>"3983539" "3983541"<br>"3997879" "4002887"<br>"4009379" "4014275"<br>"4016557" "4017001" ).pn. | US-PGPUB;<br>USPAT  | OR | ON | 2007/06/27<br>12:50 |
| S82 | 50 | ("4267569" "4314354"<br>"4600988" "5297247"<br>"5479055" "4395764"<br>"4402064" "4460974"<br>"4506346" "4588880"<br>"4873980" "4875230"<br>"5283759" "5298724"<br>"5299152" "5321845"<br>"5428808" "5452229"<br>"5453736" "5468680"<br>"5525898" "5594698"<br>"5603084" "5687081"<br>"5784637" "5786991"<br>"5890086" "5986467"<br>"6028445" "6049222"<br>"6055184" "6242944"<br>"6438462" "3812470"<br>"4249211" "4250386"<br>"4250558" "4271432"<br>"4270532" "4275441"<br>"4279421" "4282446"<br>"4282872" "4291385"<br>"4291326" "4295027"<br>"4298934" "4300108"<br>"4301511" "4303179" ).pn. | US-PGPUB;<br>USPAT  | OR | ON | 2007/06/27<br>12:02 |
| S83 | 1  | "6839774".pn.  | USPAT   | OR | ON | 2007/06/27<br>12:06 |

|     |     |  |   |    |    |                     |
|-----|-----|--|---|----|----|---------------------|
| S84 | 12  | ("5398208"   "5493534"  <br>"5835706"   "5872994"  <br>"5950222"   "6032221"  <br>"6032237"   "6201733"  <br>"6226724"   "6493271"  <br>"6516366").PN. OR<br>("6839774").URPN. | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON | 2007/06/27<br>12:07 |
| S85 | 3   | external NEAR3 programm<br>\$3 NEAR3 complete NEAR3<br>signal  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>14:37 |
| S86 | 88  | programm\$3 NEAR3<br>complete NEAR3 signal   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>14:37 |
| S87 | 3   | external NEAR3 programm<br>\$3 NEAR3 (complete finish<br>\$3) NEAR3 signal   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>14:38 |
| S88 | 54  | external WITH programm<br>\$3 WITH (complete finish<br>\$3) WITH signal  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>14:38 |
| S89 | 800 | (confirm\$3 complet\$3 finish<br>\$3 done) WITH (program<br>\$4 stor\$3 writ\$3) WITH<br>memory WITH signal WITH<br>(host external)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>15:01 |
| S90 | 0   | S89 AND (S82 S81)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>15:01 |
| S91 | 55  | (external) AND (S82 S81)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>15:02 |
| S92 | 3   | (external with complet\$3)<br>AND (S82 S81)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>15:02 |
| S93 | 0   | (external with finish\$3)<br>AND (S82 S81)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>15:02 |

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|------|-----|---|---|----|----|---------------------|
| S94  | 0   | (host with complet\$3) AND (S82 S81)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>15:03 |
| S95  | 4   | (host) AND (S82 S81)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>15:03 |
| S96  | 70  | (complet\$3) AND (S82 S81)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>15:03 |
| S97  | 146 | (buffer NEAR2 word NEAR2 size)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>17:12 |
| S98  | 9   | (buffer NEAR2 word NEAR2 size) SAME program   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/06/27<br>17:12 |
| S99  | 52  | ((MIN-SU) near2 (KIM)).<br>INV.   | US-PGPUB;<br>USPAT  | OR | ON | 2007/06/28<br>10:40 |
| S100 | 2   | ((SANG-HA) near2<br>(HWANG)).INV.   | US-PGPUB;<br>USPAT  | OR | ON | 2007/06/28<br>10:41 |
| S101 | 57  | ((MIN-SU) near2 (KIM)).<br>INV.   | US-PGPUB;<br>USPAT  | OR | ON | 2008/01/08<br>12:59 |
| S102 | 2   | ((SANG-HA) near2<br>(HWANG)).INV.   | US-PGPUB;<br>USPAT  | OR | ON | 2008/01/08<br>12:59 |
| S103 | 50  | ("3898373" "3568160"<br>"3573743" "3576541"<br>"3579192" "3609700"<br>"3610896" "3611312"<br>"3614766" "3639690"<br>"3641516" "3665404"<br>"3735105" "3737868"<br>"3746845" "3761902"<br>"3771134" "3774167"<br>"3778775" "3781825"<br>"3803557" "3812470"<br>"3813649" "3818453"<br>"3827030" "3828324"<br>"3839705" "3847284"<br>"3858085" "3858217"<br>"3889054" "3892957"<br>"3900834" "3930233"<br>"3938104" "3942157"<br>"3942158" "3946216"<br>"3959600" "3959776"<br>"3967097" "3971925"<br>"3983539" "3983541"<br>"3997879" "4002887"<br>"4009379" "4014275" | US-PGPUB;<br>USPAT  | OR | ON | 2008/01/08<br>13:01 |

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|------|---------|---|---|----|----|---------------------|
| S104 | 50      | "4016557" "4017001" ).pn.<br>("4267569" "4314354"<br>"4600988" "5297247"<br>"5479055" "4395764"<br>"4402064" "4460974"<br>"4506346" "4588880"<br>"4873980" "4875230"<br>"5283759" "5298724"<br>"5299152" "5321845"<br>"5428808" "5452229"<br>"5453736" "5468680"<br>"5525898" "5594698"<br>"5603084" "5687081"<br>"5784637" "5786991"<br>"5890086" "5986467"<br>"6028445" "6049222"<br>"6055184" "6242944"<br>"6438462" "3812470"<br>"4249211" "4250386"<br>"4250558" "4271432"<br>"4270532" "4275441"<br>"4279421" "4282446"<br>"4282872" "4291385"<br>"4291326" "4295027"<br>"4298934" "4300108"<br>"4301511" "4303179" ).pn. | US-PGPUB;<br>USPAT  | OR | ON | 2008/01/08<br>13:01 |
| S105 | 4       | (host) AND (S104 S103)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/08<br>13:01 |
| S106 | 4       | (programmable NEAR2<br>memory) NEAR3 separate<br>NEAR3 (processor CPU)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/08<br>13:01 |
| S107 | 4239121 | memory storage RAM ROM  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/08<br>13:02 |
| S108 | 708524  | \$4programm\$3  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/08<br>13:02 |
| S109 | 1213344 | processor   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/08<br>13:02 |
| S110 | 13      | S107 WITH S108 WITH<br>S109 WITH serial with<br>general   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/08<br>13:02 |

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|------|-------|--|--|----|-----|---------------------|
| S111 | 147   | external near2 programming near2 circuit   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/01/08<br>13:03 |
| S112 | 3     | S111 SAME (ROM RAM)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/01/08<br>13:03 |
| S113 | 68690 | (upgrad\$3 updat\$3 reprogram\$4) near4 (firmware software program)                  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/01/08<br>13:03 |
| S114 | 235   | S113 with (monitor display screen crt lcd ) adj device                               | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/01/08<br>13:03 |
| S115 | 15624 | ((717/168,171-173) or (710/1,15) or (345/204-215,501,519-520,690-699)).<br>OCLS.     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/08<br>13:03 |
| S116 | 18    | S114 and S115  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/01/08<br>13:03 |
| S117 | 76751 | (upgrad\$3 updat\$3 reprogram\$4) near4 (firmware software program)                  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/09/04<br>10:07 |
| S118 | 260   | S117 with (monitor display screen crt lcd ) adj device                               | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/09/04<br>10:07 |
| S119 | 17244 | ((717/168,171-173) or (710/1,15) or (345/204-215,501,519-520,690-699)).<br>OCLS.     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/04<br>10:07 |
| S120 | 20    | S118 and S119  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/09/04<br>10:07 |
| S121 | 2378  | (receiv\$3 WITH (address \$3) WITH (controller))<br>SAME (firmware software program) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/09/04<br>10:23 |

|      |       |   |  |    |     |                     |
|------|-------|---|--|----|-----|---------------------|
| S122 | 39    | ((receiv\$3 WITH (address \$3) WITH (controller)) SAME S117                       | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/09/04<br>10:23 |
| S123 | 40    | S121 AND S119   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/09/04<br>10:31 |
| S124 | 1541  | ((decod\$3 WITH (address \$3) WITH (controller)) SAME (firmware software program) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/09/04<br>10:31 |
| S125 | 6     | S124 SAME (by\$1pass\$3)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/09/04<br>10:32 |
| S126 | 217   | memory NEAR3 controller NEAR3 decod\$3 NEAR3 (command message)                    | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/09/04<br>11:59 |
| S127 | 4     | S126 and S119   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/09/04<br>11:59 |
| S128 | 12    | ((memory NEAR3 controller WITH decod\$3 NEAR3 (command message)) AND S119         | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2008/09/04<br>12:00 |
| S129 | 68    | ((MIN-SU) near2 (KIM)). INV.  | US-PGPUB;<br>USPAT   | OR | ON  | 2008/09/04<br>13:19 |
| S130 | 2     | ((SANG-HA) near2 (HWANG)). INV.   | US-PGPUB;<br>USPAT   | OR | ON  | 2008/09/04<br>13:19 |
| S131 | 76    | ((MIN-SU) near2 (KIM)). INV.  | US-PGPUB;<br>USPAT   | OR | ON  | 2009/04/01<br>14:41 |
| S132 | 2     | ((SANG-HA) near2 (HWANG)). INV.   | US-PGPUB;<br>USPAT   | OR | ON  | 2009/04/01<br>14:41 |
| S133 | 18688 | ((717/168,171-173) or (710/1,15) or (345/204-215,501,519-520,690-699)). CQLS.     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/04/01<br>14:46 |
| S134 | 12    | ((memory NEAR3 controller WITH decod\$3 NEAR3 (command message)) AND S133         | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2009/04/01<br>14:46 |

|      |       |  |  |    |     |                     |
|------|-------|--|--|----|-----|---------------------|
| S135 | 1696  | (decod\$3 WITH (address \$3) WITH (controller))<br>SAME (firmware software program)    | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2009/04/01<br>14:46 |
| S136 | 6     | S135 SAME (by\$1pass\$3)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2009/04/01<br>14:46 |
| S137 | 2534  | (receiv\$3 WITH (address \$3) WITH (controller))<br>SAME (firmware software program)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2009/04/01<br>14:47 |
| S138 | 41    | S137 AND S133  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2009/04/01<br>14:47 |
| S139 | 83345 | (upgrad\$3 updat\$3<br>reprogram\$4) near4<br>(firmware software program)              | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2009/04/01<br>14:47 |
| S140 | 295   | S139 with (monitor display<br>screen crt lod ) adj device                              | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2009/04/01<br>14:47 |
| S141 | 18688 | ((717/168,171-173) or<br>(710/1,15) or (345/204-<br>215,501,519-520,690-699)).<br>CLS. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/04/01<br>14:47 |
| S142 | 21    | S140 and S141  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2009/04/01<br>14:47 |
| S143 | 33    | (separate near2<br>programming near2 circuit)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2009/04/01<br>14:47 |



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|------|----|--|---|----|----|---------------------|
| S144 | 50 | ("3898373" "3568160"<br>"3573743" "3576541"<br>"3579192" "3609700"<br>"3610896" "3611312"<br>"3614766" "3639690"<br>"3641516" "3665404"<br>"3735105" "3737868"<br>"3746845" "3761902"<br>"3771134" "3774167"<br>"3778775" "3781825"<br>"3803557" "3812470"<br>"3813649" "3818453"<br>"3827030" "3828324"<br>"3839705" "3847284"<br>"3858085" "3858217"<br>"3889054" "3892957"<br>"3900834" "3930233"<br>"3938104" "3942157"<br>"3942158" "3946216"<br>"3959600" "3959776"<br>"3967097" "3971925"<br>"3983539" "3983541"<br>"3997879" "4002887"<br>"4009379" "4014275"<br>"4016557" "4017001" ).pn. | US-PGPUB;<br>USPAT  | OR | ON | 2009/04/01<br>14:47 |
| S145 | 50 | ("4267569" "4314354"<br>"4600988" "5297247"<br>"5479055" "4395764"<br>"4402064" "4460974"<br>"4506346" "4588880"<br>"4873980" "4875230"<br>"5283759" "5298724"<br>"5299152" "5321845"<br>"5428808" "5452229"<br>"5453736" "5468680"<br>"5525898" "5594698"<br>"5603084" "5687081"<br>"5784637" "5786991"<br>"5890086" "5986467"<br>"6028445" "6049222"<br>"6055184" "6242944"<br>"6438462" "3812470"<br>"4249211" "4250386"<br>"4250558" "4271432"<br>"4270532" "4275441"<br>"4279421" "4282446"<br>"4282872" "4291385"<br>"4291326" "4295027"<br>"4298934" "4300108"<br>"4301511" "4303179" ).pn. | US-PGPUB;<br>USPAT  | OR | ON | 2009/04/01<br>14:47 |
| S146 | 70 | (complet\$3) AND (S145<br>S144)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/01<br>14:47 |
| S147 | 86 | ((MIN-SU) near2 (KIM)).<br>INV.  | US-PGPUB;<br>USPAT  | OR | ON | 2009/09/08<br>14:35 |
| S148 | 2  | ((SANG-HA) near2<br>(HWANG)).INV.  | US-PGPUB;<br>USPAT  | OR | ON | 2009/09/08<br>14:36 |

|      |    |  |   |    |    |                     |
|------|----|--|---|----|----|---------------------|
| S149 | 34 | (separate near2 programming near2 circuit)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/08<br>14:37 |
| S150 | 50 | ("3898373" "3568160"<br>"3573743" "3576541"<br>"3579192" "3609700"<br>"3610896" "3611312"<br>"3614766" "3639690"<br>"3641516" "3665404"<br>"3735105" "3737868"<br>"3746845" "3761902"<br>"3771134" "3774167"<br>"3778775" "3781825"<br>"3803557" "3812470"<br>"3813649" "3818453"<br>"3827030" "3828324"<br>"3839705" "3847284"<br>"3858085" "3858217"<br>"3889054" "3892957"<br>"3900834" "3930233"<br>"3938104" "3942157"<br>"3942158" "3946216"<br>"3959600" "3959776"<br>"3967097" "3971925"<br>"3983539" "3983541"<br>"3997879" "4002887"<br>"4009379" "4014275"<br>"4016557" "4017001" ).pn. | US-PGPUB;<br>USPAT  | OR | ON | 2009/09/08<br>14:37 |
| S151 | 50 | ("4267569" "4314354"<br>"4600988" "5297247"<br>"5479055" "4395764"<br>"4402064" "4460974"<br>"4506346" "4588880"<br>"4873980" "4875230"<br>"5283759" "5298724"<br>"5299152" "5321845"<br>"5428808" "5452229"<br>"5453736" "5468680"<br>"5525898" "5594698"<br>"5603084" "5687081"<br>"5784637" "5786991"<br>"5890086" "5886467"<br>"6028445" "6049222"<br>"6055184" "6242944"<br>"6438462" "3812470"<br>"4249211" "4250386"<br>"4250558" "4271432"<br>"4270532" "4275441"<br>"4279421" "4282446"<br>"4282872" "4291385"<br>"4291326" "4295027"<br>"4298934" "4300108"<br>"4301511" "4303179" ).pn. | US-PGPUB;<br>USPAT  | OR | ON | 2009/09/08<br>14:37 |
| S152 | 70 | (comple\$3) AND (S151<br>S150)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/08<br>14:37 |

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|------|-------|--|--|----|-----|---------------------|
| S153 | 88542 | (upgrad\$3 updat\$3 reprogram\$4) near4 (firmware software program)            | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2009/09/08<br>14:37 |
| S154 | 316   | S153 with (monitor display screen crt lod ) adj device                         | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2009/09/08<br>14:37 |
| S155 | 19937 | ((717/168,171-173) or (710/1,15) or (345/204-215,501,519-520,690-699)). CCL.S. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/09/08<br>14:37 |
| S156 | 24    | S154 and S155  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2009/09/08<br>14:37 |
| S157 | 19937 | ((717/168,171-173) or (710/1,15) or (345/204-215,501,519-520,690-699)). CCL.S. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/09/08<br>15:12 |
| S158 | 246   | memory NEAR3 controller NEAR3 decod\$3 NEAR3 (command message)                 | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2009/09/08<br>15:12 |
| S159 | 4     | S158 and S157  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB        | OR | ON  | 2009/09/08<br>15:12 |

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